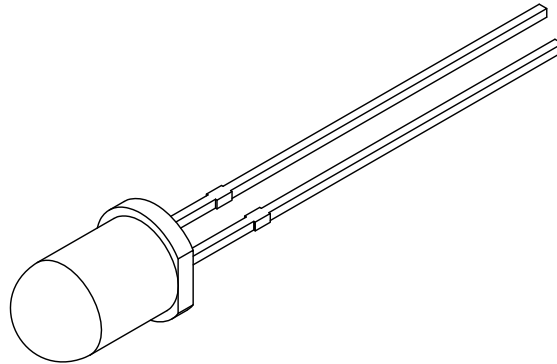
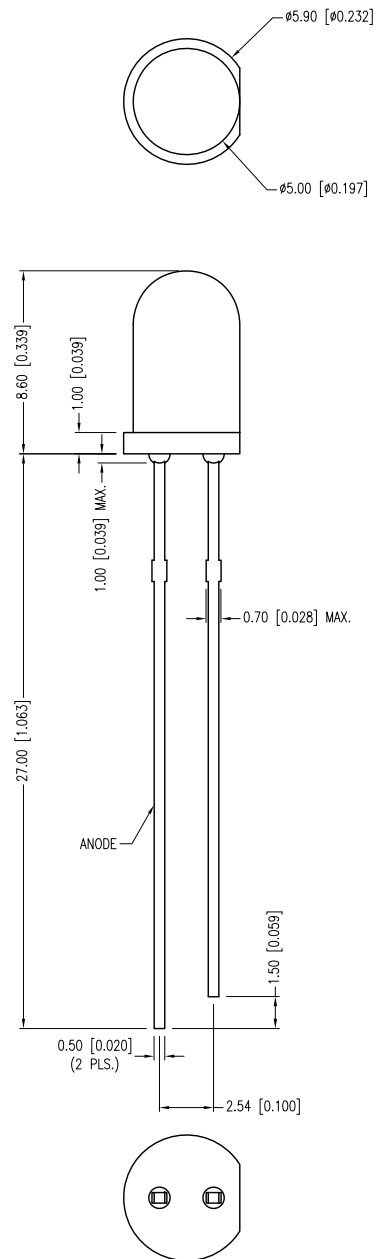


ELECTRO-OPTICAL CHARACTERISTICS  $T_a=25^\circ\text{C}$   $I_f=20\text{mA}$ 

| PARAMETER          | MIN         | TYP   | MAX | UNITS    | TEST COND            |
|--------------------|-------------|-------|-----|----------|----------------------|
| PEAK WAVELENGTH    |             | 630   |     | nm       |                      |
| FORWARD VOLTAGE    |             | 2.1   | 2.6 | Vf       | $I_f=20\text{mA}$    |
| REVERSE VOLTAGE    | 5.0         |       |     | Vr       | $I_r=100\mu\text{A}$ |
| LUMINOUS INTENSITY |             | 15000 |     | mcd      | $I_f=20\text{mA}$    |
| VIEWING ANGLE      |             | 15    |     | 2x theta |                      |
| EMITTED COLOR:     | RED         |       |     |          |                      |
| EPOXY LENS FINISH: | WATER CLEAR |       |     |          |                      |

LIMITS OF SAFE OPERATION AT  $25^\circ\text{C}$ 

| PARAMETER                      | MAX         | UNITS                |
|--------------------------------|-------------|----------------------|
| PEAK FORWARD CURRENT*          | 100         | mA                   |
| STEADY CURRENT                 | 35          | mA                   |
| POWER DISSIPATION              | 90          | mW                   |
| DERATE FROM $25^\circ\text{C}$ | -1.2        | mW/ $^\circ\text{C}$ |
| OPERATING TEMP.                | -30 TO +80  | $^\circ\text{C}$     |
| STORAGE TEMP.                  | -40 TO +100 | $^\circ\text{C}$     |
| SOLDERING TEMP.                | +260        | $^\circ\text{C}$     |
| 2.0mm FROM BODY                | 3           | SEC.                 |

\*  $t < 10\mu\text{s}$ 

UNCONTROLLED DOCUMENT

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X= $\pm 1$  ( $\pm 0.039$ ), X.X= $\pm 0.5$  ( $\pm 0.020$ ), X.XX= $\pm 0.25$  ( $\pm 0.010$ ), X.XXX= $\pm 0.127$  ( $\pm 0.005$ ). LEAD SIZE= $\pm 0.05$  ( $\pm 0.002$ ), LEAD LENGTH= $\pm 0.75$  ( $\pm 0.030$ ). MIN=  $\begin{smallmatrix} +\text{DECIMAL PRECISION} \\ -0.00 \end{smallmatrix}$  MAX=  $\begin{smallmatrix} +0.00 \\ -\text{DECIMAL PRECISION} \end{smallmatrix}$ 

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QUASARBRITE T-5mm (T-1 3/4) 630nm RED LED, WATER CLEAR LENS.

\*\*THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.\*\*

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| DATE:  | 08.17.14  | DRAWN BY: | MA  |
| PAGE:  | 1 OF 1    | CHKD BY:  | KF  |
| SCALE: | NTS       | APRVD BY: | KF  |
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